

The figure consists of 12 sub-diagrams arranged vertically, labeled 1 through 12. Each diagram shows a grid of points (dots) with a central square region. The diagrams illustrate the iterative steps of the proposed algorithm, showing the progression from an initial state to a final state. The central square region is defined by a dashed line. The points are arranged in a grid, and the central square region is updated iteratively. The diagrams show the progression of the algorithm, with the central square region being updated in each step. The final state (diagram 12) shows a fully updated central square region.